Ministry of
Northern Development
and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

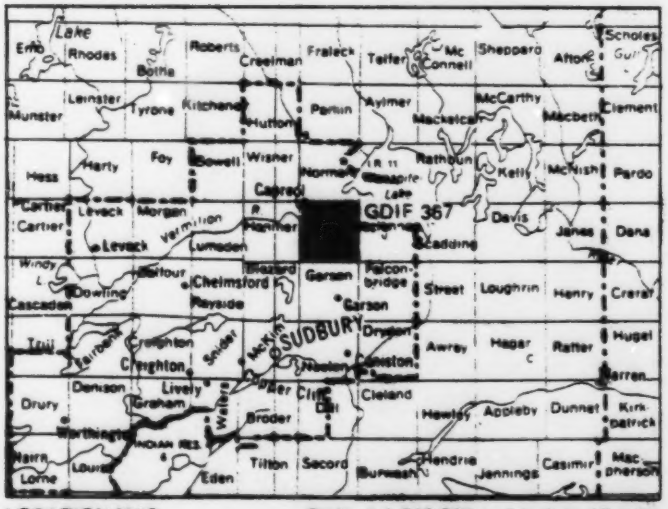
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 367

CAPREOL TOWNSHIP

DISTRICT OF SUDBURY

Compiled by the Staff of
the Resident Geologist's Office
Sudbury



LOCATION MAP

Scale: 1:1 013 760 or 1 inch to 16 miles

NTS Number 41 I/10

Mining Claim Map Number M:699

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1987: Capreol Township, District of Sudbury; Ontario Geological Survey, Geological Data Inventory Folio 367, compiled by the staff of the Resident Geologist's Office, Sudbury, 21 p. and 2 maps.

Original Compilation by: Jerome, Lucille, November 1986

Date	Page Revised	Revised by

Date	Page Revised	Revised by

CAPREOL TOWNSHIP

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ACCOMPANYING MAPS

Property Location Map 1 map

Exploration Data Map 1 map

Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	31.103 476 8	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this map. If no reference data was found, the appropriate box is marked 'no'; if reference was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	Yes	L.J.
2	Assessment Files Research Office, Toronto	N.A.	L.J.
3	ODM General Index; 9 volumes	Yes	L.J.
4	Catalogue of Airborne Geophysical Surveys (ODM)	Yes	L.J.
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	Yes	L.J.
6	ODM Industrial Mineral Reports	No	L.J.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	No	L.J.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	Yes	L.J.
9	Newspaper Clippings File	Yes	L.J.
10	GSC Index to Publications	Yes	L.J.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	Yes	L.J.
12	OGS Index Maps	Yes	L.J.
13	Source Mineral Deposit Records (O.G.S.)	Yes	L.J.
14	Author - Subject Articles File	Yes	L.J.
15	Miscellaneous Papers: ODM & OGS	Yes	L.J.
16	ODM Geological Circulars: OGS Study Series	No	L.J.
17	ODM Preliminary Reports: ODM Bulletins	Yes	L.J.
18	ODM – OGS Open File Reports	Yes	L.J.
19	OGS Northern Ontario Engineering Geology Terrain Studies	Yes	L.J.
20	OGS Aggregate Resources Inventory Papers	No	L.J.
21	OGS Mineral Potential Maps	Yes	L.J.
22	Theses on File, Sudbury	Yes	L.J.
23	Aerial Photographs on File, Sudbury	Yes	L.J.

METALS AND MINERALS REFERENCES LIST

Δ anh. . . . . Anhydrite	Δ fu. . . . . Fuchsite	▲ Ni. . . . . Nickel	Δ st. . . . . Stone
Δ ank. . . . . Ankerite	Δ gn. . . . . Galena	Δ Nb. . . . . Niobium	Δ talc. . . . . Talc
Δ anna. . . . . Annabergite	Δ gt. . . . . Garnet	Δ Pd. . . . . Palladium	Δ Te. . . . . Tellurium
Δ ap. . . . . Apatite	Δ goe. . . . . Goethite	Δ peat. . . . . Peat	Δ td. . . . . Tetrahedrite
Δ arg. . . . . Argentite	▲ Au. . . . . Gold	Δ pent. . . . . Pentlandite	Δ th. . . . . Thorite
Δ As. . . . . Arsenic	Δ gf. . . . . Graphite	Δ Pt. . . . . Platinum	Δ Th. . . . . Thorium
Δ asp. . . . . Arsenopyrite	Δ gl. . . . . Gravel	Δ py. . . . . Pyrite	Δ thuc. . . . . Thucholite
Δ asb. . . . . Asbestos	Δ gyp. . . . . Gypsum	Δ pyl. . . . . Pyrochlore	Δ ti. . . . . Titanite
Δ ba. . . . . Barite	Δ hem. . . . . Hematite	Δ pyrl. . . . . Pyrolusite	Δ Ti. . . . . Titanium
Δ be. . . . . Beryl	Δ il. . . . . Ilmenite	Δ po. . . . . Pyrrhotite	▲ tour. . . . . Tourmaline
Δ Bi. . . . . Bismuth	Δ Fe. . . . . Iron	Δ q. . . . . Quartz	Δ trap. . . . . Trap rock
Δ bn. . . . . Bornite	Δ IF. . . . . Iron Formation	Δ qcv. . . . . Quartz carbonate vein	Δ W. . . . . Tungsten
Δ brsn. . . . . Brannerite	Δ jas. . . . . Jasper	Δ ra. . . . . Radioactive minerals	Δ uran. . . . . Uraninite
Δ bruc. . . . . Brucite	Δ kaol. . . . . Kaolinite (kaolin)	Δ RE. . . . . Rare Earths	Δ U. . . . . Uranium
Δ Cd. . . . . Cadmium	Δ ky. . . . . Kyanite	Δ sd. . . . . Sand	Δ verm. . . . . Vermiculite
Δ calc. . . . . Calcite	Δ Pb. . . . . Lead	Δ sgl. . . . . Sand and gravel	Δ Y. . . . . Yttrium
Δ carb. . . . . Carbonate	Δ lim. . . . . Limonite	Δ ss. . . . . Sandstone	Δ Zn. . . . . Zinc
Δ cel. . . . . Celestite	Δ Li. . . . . Lithium	Δ scap. . . . . Scapolite	Δ zr. . . . . Zircon
Δ cc. . . . . Chalcocite	Δ mgst. . . . . Magnesite	Δ shee. . . . . Scheelite	
Δ cp. . . . . Chalcopyrite	Δ mag. . . . . Magnetite	Δ serp. . . . . Serpentine	
Δ ch. . . . . Chert	Δ mc. . . . . Malachite	Δ sh. . . . . Shale	
Δ clay. . . . . Clay	Δ Mn. . . . . Manganese	Δ sid. . . . . Siderite	
Δ Co. . . . . Cobalt	Δ mb. . . . . Marble	Δ si. . . . . Silica	
Δ cob. . . . . Cobaltite	Δ mar. . . . . Marcasite	Δ Ag. . . . . Silver	
Δ cb. . . . . Columbite	Δ ma. . . . . Marl	Δ sl. . . . . Slate	
▲ Cu. . . . . Copper	Δ mi. . . . . Mica	Δ sm. . . . . Smaltite	
Δ cor. . . . . Corundum	Δ ml. . . . . Millerite	Δ sod. . . . . Sodalite	
Δ dol. . . . . Dolomite	Δ mo. . . . . Molybdenite	Δ spec. . . . . Specularite	
Δ ep. . . . . Epidote	Δ Mo. . . . . Molybdenum	Δ sp. . . . . Sphalerite	
Δ ery. . . . . Erythrite	Δ mon. . . . . Monazite	Δ spd. . . . . Spodumene	
Δ fel. . . . . Feldspar	Δ ne. . . . . Nephelite (nepheline)	Δ staur. . . . . Staurolite	
Δ fl. . . . . Fluorite (fluorspar)	Δ nc. . . . . Niccolite	Δ stib. . . . . Stibnite	

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

CAPREOL TOWNSHIP

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	Capre Lake	Cu, Ni	---	--	Sudbury Mineral Occurrence File - Capre Lake, Inco Ltd.
B	Onwatin Lake	Au (Placer)	Au 11	MDC 17, p. 179 MDC 18, p. 91	

GDF FORM NO. 1

CAREOL TOWNSHIP 4

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SUDBURY COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY	OTHER		
1	Capre Lake (Inco Ltd., British America Nickel Corp. and Bennett, T.)																	12[1]		
2	Falconbridge Nickel Mines Ltd.				50-57				52											
3	Inco Ltd.				50 51 52 56 58 67 68 69															
4	Onwatin Lake (Channel Gold Placers Ltd., Onwatin Placer Mining Syndicate, Great Northern Mining Company)			1898 39-42														39-42[2] 46[3] 39-40[4]		
5	Sudbury Northrim Exploration Company Ltd.	52			53			52												

CAPREOL TOWNSHIP

TYPE OF WORK	Numbers below represent the year in which the work was done;e.g., 68 for 1968																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SUDBURY COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY	OTHER		
[1]Discovery. No data [2]Churn drilling. No data [3]Churn drilling. Assays [4]Sampling under lake																			

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
1	Falconbridge Nickel Mines Ltd.	C-XC-1	1950		90	0	69	py, cp, po	
1		C-XC-2	1950		90	0	51	py, cp, po	
1		C-XC-3	1950		90	0	49	py, cp, po	
1		C-XC-4	1950		90	0	31	py, cp, po	
2		C-XC-5	1950		90	0	60		
2		C-XC-6	1950		90	0	60		
3		C-XC-1	1951	S	65	0	200	py, cp, po	
4		C-XC-2	1951	S65W	47	0	240		
5		C-XC-1	1952	S50W	60	0	207		
3		C-XC-2	1952	S45W	50	0	200	py, po	
6		C-XC-1	1953	N10E	50	0	240	cp	
1		C-XC-2	1953	S20E	50	0	150		
6		C-XC-1	1954	N	45	0	240		
7		C-XC-1	1955	S30E	45	0	206		
7		C-XC-2	1955	S30E	50	0	194		
8		C-XC-3	1955	N60E	40	0	206	py, cp	
8		C-XC-4	1955	N60E	47	0	216	py, cp	
8		C-XC-5	1955	N60E	53	0	178	py, cp	
9		C-XC-1	1956	N60E	85	0	242		
9		C-XC-2	1956	N60E	70	0	158		
10		1	1957	S	87	0	260		
10		2	1957	S	84	0	292	ep, hem, chlorite	
10		3	1957	S	82	0	233	ep, hem, chlorite	
10		4	1957	S	79	0	260	ep, chlorite	
10		5	1957	S	76	0	104	hem, chlorite	
10		6	1957	S	73	0	100	chlorite	
10		7	1957	S	70	0	71	chlorite	
11	Inco Ltd.	5980	1950	N40E	-50	5	208		
12		5981	1950	N40E	-47	13	798		
13		5985	1950		90	7	2071	ep, qtz, hem	
14		7478	1950	N51E	65	11	1201	ep	
15		7476	1950 & 51		90	10	3213	ep, carb, chlorite	

CAPREOL TOWNSHIP

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
				Degrees	Degrees	Feet	Feet		
16	Inco Ltd., cont'd	7475	1950 & 52		90	18	3205		
17		9605	1951		90	6	202		
18		9657	1952		90	6	1531		
19		13095	1956	S	47	68	72		
20		13096	1956		90	93	1089	py, slate	
21		13097	1956	N	50	50	564		
21		13098	1956		90	39	293		
22		14696	1958		90	3	401		
23		33327	1967		-90	0	44		
24		33327A	1967		-90	0	50		
25		33327B	1967		-90	5	277	po	
26		33328	1967		-90	25	600		
27		33329	1967		-90	5	133		
27		33331	1967	W	-59	2	70		
28		26446	1967 & 69		-90	242	2685	py	
29		35729	1968		-90	124	124		
30		35730	1968		-90	246	1748	py, qtz, graphite	
31	Onwatin Placer Mining Syndicate		1936-46	Churn drilling - no data					
32	Sudbury Northrim Exploration Co. Ltd.	3	1953	253	-45	23	502	py, po, gal	
33		4	1953	251	-45	9	627	py, po	

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By / For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
2	Aeromagnetic Surveys Ltd. Falconbridge Nickel Mines Ltd.	Airborne magnetic	?	?	660 ft.

Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA		By	Reference
	Type of Survey	Analysis For		

CAPREOL TOWNSHIP

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

GDIF FORM NO.6

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office.

SUDBURY

Capreol Resort

Sudbury Star April 10, 1986

ODM GENERAL INDEX SEARCH

Words searched

BENNETT, T.
BLUE LAKE
BRITISH AMERICA NICKEL CORP.
CAPRE LAKE
CAPREOL TOWNSHIP
CHANNEL GOLD PLACERS LTD.
FALCONBRIDGE NICKEL MINES LTD.
GLACIATION
GREAT NORTHERN MINING COMPANY
INCO LTD.
INTERNATIONAL NICKEL COMPANY
JENKINS, N. S.

Index Volume	Listing:	Report Volume	Part	Page
1	Blue Lake, Maclennan and Capreol tps.	11		289
	Glaciation near	14	3	102
	Iron pyrites	14	3	158
	Nickel			
	mining. See Blue Lake nickel mine			
	Ores in region of, character	11		274
	Pyrite crystals in ore from	4		281
	Pyrrhotite	12		237
	Rocks on and near	13	1	203
		14	3	10, 115
	diabase	12		298
		14	3	85
	nickel eruptive	11		284
		12		273
	norite	14	3	112
	structure	14	3	81
9	British America Nickel Corp. Ltd.			
	Capreol area, Sudbury Dist.	MP90		105
1	British America Nickel Corpn.			
	Capital and date of license	23	1	42
	Dominion Nickel Copper Co.'s			
	holding bought by	22	1	25
	Officers	23	1	121
	Work by	23	1	112, 121
		24	1	102
9	Capreol Area, Nipissing and Sudbury Dist.			
	Report (Quarternary) & map 5001 on,			
	1980 by John F. Gartner	NOTS 90		
	Summary of field work, 1979 by T. L. Muir	MP90		104-108
8	Capreol Area, Sudbury, Dist.			
	Uranium	MP17		98-102
2	Capreol, Capreol Tp.			
	Rocks between, and Nandair	34	8	7, 8
6	Capreol, Capreol Tp.			
	Rocks, notes and photo	65	3	74-77,80
9	Capreol Tp. Pit			
	Capreol Tp., Sudbury Dist.			
	report on property	GR181		66

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

MASSEY LAKE
MOOSE LAKE
ONWATIN LAKE
ONWATIN PLACER MINING SYNDICATE
SUDBURY NORTHRIM EXPLORATION COMPANY LTD.
VERMILION RIVER

Index Volume	Listing:	Report Volume	Part	Page
1	Capreol Tp., Sud.			
	Farm land	14	3	105
	Gold prospecting	7		256
	alluvial	10		152
	Rocks, diabase, petrography	13	1	213
	nickel-bearing	11		484
		14	3	62
	notes by Cuthbert	13	1	202-204
		14	3	73, 74
	tuff	14	3	95
	Sand plains S. of	13	1	193
	Terraces	14	3	106
2	Nickel	N.C.		A16
3	Fault. See Clear L.			
	Rocks	38	3	7
	flow breccia, notes and photos	38	3	19-21
	olivine diabase	38	3	34
6	Rocks	65	3	29,30,72
	quartzite	65	3	19
	rhyolite, notes, photo and sk. map	65	3	14-16
	structure	65	3	32-36
	tuff-breccias	65	3	27,79,80
9	Capreol Tp., Sudbury Dist.			
	Geology (Quarternary) of the Sudbury Basin area	GR181		
	gold	MDC18		91
	peat	MDC19		20,33-38 90-91, 117-118
	placer gold	MDC17		179
	sand & gravel	GR181		43,60-66
2	Ella Lake, Capreol tp.			
	Nickel	N.C.		A50
	Rocks, notes	24	8	8, 9
9	Falconbridge Nickel Mines Ltd.			
	Capreol area, Sudbury Dist.	MP90		105
9	Glaciofluvial deposits			
	Capreol area, Nipissing & Sudbury Dist.	NOTS95		7-10
9	Glaciolacustrine deposits			
	Capreol area, Nipissing & Sudbury Dist.	NOTS95		10-11

ODM GENERAL INDEX SEARCH

Words searched.

Index Volume	Listing:	Report Volume	Part	Page
2	Great Northern Exploration and Mines Development Co.			
	Capital and date of charter	24	1	56
1	Great Northern Mg. Exp'n and Dev. Co.			
	Capital and date of charter	6		7
		7		13
	Gold prospecting, Capreol tp.	10		151
	Wawa, near	7		194
	License	9		116
		10		141
	Work by (1897)	7		100
	(1898)	8		102,145
9	Jenkins, H. (Placer) Prospect Hanmer Tp., Sudbury Dist.			
	report on property	MDC18		64-65
1	Jenkins, Norman Stuart			
	Acknowledgements to	10		158
	Manager for Great Northern Co.	10		152
	Onaping Lake Mg. Co.	10		157
6	Massey Lake, Capreol tp.			
	Rocks	65	3	19,20,73
1	Moose Lake, Capreol and Maclennan tps.			
	Nickel mining	11		285
		12		273
	Rocks near	12		274
		13	1	203
		14	3	73, 115
	conglomerates	14	3	130,132
8	Onwatin Lake			
	Capreol & Hanmer Tps., Sudbury Dist.	GR80		38
9	Onwatin Lake			
	Capreol & Hanmer Tps., Sudbury Dist.	GR181		27,35, 39,63, 65
1	Onwatin Lake, Capreol Tp.			
	Gravel and sand	14	3	5
	Iron pyrites	13	1	204
	Nickel prospecting	14	3	75

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched

Index Volume	Listing	Report Volume	Part	Page
1	Onwatin Lake, Capreol Tp., cont'd			
	Rocks on and near:			
	diabase dike	13	1	203
		14	3	73
	sandstone	1		86
	slate, black	13	1	207
	notes	14	3	10,95,96
	petrography	14	3	133
	Shores, character	14	3	6
	Terraces near	14	3	103,106
4	Onwatin Placer Mining Syndicate, Ltd.			
	Incorporated	55	1	52
9	Onwatin (Placer) Occurrence			
	Capreol Tp., Sudbury Dist.			
	report on property	MDC18		91
1	Pleistocene deposits			
	Sudbury nickel region	12		241
		14	3	101-106
9	Sudbury Northrim Expl. Co. Ltd.			
	Capreol Tp., Sudbury Dist.	MP90		105
6	Vermilion River, Onwatin L.			
	Fault	65	3	34, 36
	aerial photo	65	3	frontis
	Sediments, tuffaceous	65	3	81

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL GEOLOGICAL COMPILATION MAPS		
Card, K. D., Lumbers, S.B.	1974-75	Sudbury-Cobalt	O.G.S. Map 2361	1" = 4 miles
Dressler, B. O.	1984	Sudbury Geological Compilation	O.G.S. Map 2491	1:50,000
	1983	Sudbury Mining Area - Eastern Part	O.G.S. Map 2603	1:50,000
Meyn, H. D.	1966	Capreol Sheet	O.G.S. Map P.367	1" = 2 miles
		GEOPHYSICAL MAPS		
Dept. of E. M. R.	1965	Aeromagnetic Map - Capreol Sheet	1511G	1" = 1 mile
G.H.D. Consultants	?	Aeromagnetic Map - Sudbury Research Project	Map 2	1" = ½ mile
Gupta, V. K.	1981	Bouguer Gravity and Generalized Map, Sudbury-Onaping Lake	O.G.S. Map P.2482	1:100,000
O.D.M. - G.S.C.	1965	Aeromagnetic Map - Sudbury Sheet	7067G	1" = 4 miles
O.G.S. - G.S.C.	1976	Uranium Reconnaissance Program Airborne Gamma Ray Spectrometer Survey Sudbury	Map P.1610	1:250,000
		SURFICIAL PLEISTOCENE TERRAIN ENGINEERING		
Burwasser, G. J.	1979	Quarternary Geology of the Sudbury Basin Area	Map 2397	1:50,000
Dept. of E.M.R.	1975	Topographic Map - Capreol Sheet		1:50,000
Gartner, J. F.	1980	N.O.E.G.T.S. Data Base Map - Capreol N.O.E.G.T. Study 95	Map 5001	1:100,000

GDIF FORM NO.4

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		MINERAL POTENTIAL MAPS		
Gordon, J. B.	1977	Gold deposits of Ontario-East Central Sheet	P.1228	1" = 16 miles
Innes, D. G. and Jost, M.	1977	Nickel deposits of Ontario-East Central Sheet	P.1062	1" = 16 miles
Springer, Janet	1977	Ontario Mineral Potential Northern Part of Sudbury Sheet and part of North Bay Sheet	P.1512	1:250,000
		GEOCHEMICAL MAPS		
		None as of November 17, 1986		
		GEOLOGICAL REPORTS AND MAPS		
Adlington, R.	1982	Capreol Township, Sudbury Data Series	P.2542	1" = ¼ mile
Burrows, A. G. and Rickaby, H. C.	1929	Sudbury Basin Area	O.D.M. Map 38g	1" = 1½ mile
Burwasser, G. J.	1979	Quarternary Geology of the Sudbury Basin Area	GR181 Map 2397	1:50,000
Dressler, B. O.	1980	Wanapitei Lake area, southern part	O.G.S. Map P.2228	1" = ¼ mile
	1981	Massey Bay	O.G.S. Map 2451	1" = ½ mile
	1982	Geology of the Wanapitei Lake area	GR213	
Muir, T. L.	1981	Geology of the Capreol area	OFR 5344	
Muir, T. L., Rebic, Z., and Dressler, B. O.	1980	Capreol Area - Eastern Part	O.G.S. Map P.2378	1" = ¼ mile

GDIS FORM NO. 1

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Prest, V. K.	1949	The Pleistocene geology of the Vermilion River system near Capreol, Sudbury District, Ontario	O.D.M. PR1949-2	
Quirke, T. T.	1922	Wanapitei Lake Map - area	G.S.C. Sum. Rept. Map 1948	pp. 34-50
Thomson, J. E.	1957	Southeast part of the Sudbury area	AR Vol. 66 Map 1957-6	1" = 1 mile
		JOURNAL ARTICLES, THESES, TECHNICAL REPORTS		
Assad, Robert Joseph	1955	The formation of certain granite-like rocks in the footwall of the Sudbury norite, northwest of the Sudbury basin; M.Sc., University of McGill	MP2	
Barlow, A. E.	1906	On the origin and relations of the nickel and copper deposits of Sudbury, Ontario, Canada	Econ. Geol.	pp. 454-466
Bell, R.	1891	Report on the Sudbury Mining District	G.S.C. Ann. Rept. Map 343	
Card, K. D., and Hutchinson, R. W.	1972	The Sudbury Structure; its regional geological setting	G.A.C. Spec. Paper 10	pp. 67-68
Clauson, Victor	1947	Geology of the Sudbury basin area, Ontario, Canada; Ph.D., University of Washington	MP2	
Coleman, A. P.	1901	The Vermilion River placers	O.B.M. AR Vol. 10	pp. 151-159
Collins, W. H.	1917	North Shore of Lake Huron	G.S.C. Sum. Rept.	pp. 183-185
	1918	Southwestern part of Sudbury Nickel Irruptive	G.S.C. Sum. Rept.	pp. 12-16

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Colvine, A. C., Editor	1983	The geology of gold in Ontario	MP110	
Faure, G. et al	1964	Whole-rock Rb-Sr age of norite and micropegmatite at Sudbury, Ontario	J. Geol. Vol. 72	pp. 848-854
Ferguson, S. A. and Freeman, E. B.	1978	Ontario occurrences of float, placer gold and other heavy minerals	MDC17	p. 17
Gordon, J. B. et al	1979	Gold deposits of Ontario	MDC18	p. 91
Gracey, A. H.	1898	Placer gold on Vermilion River, Ontario	O.B.M. AR Vol. 7 Pt. 3	pp. 256-259
Hewins, R. H.	1971	The petrology of some marginal mafic rocks along the north range of the Sudbury Irruptive	COLMAP 7D	1" = 3 miles
Meyn, H. D.	1970	Geology of Hutton and Parkin townships	Sudbury Theses on File	
Peredery, W. V. and Naldrett, A. J.	1975	Petrology of the Upper Irruptive rocks, Sudbury, Ontario	GR80	p. 38
Thomson, J. E.	1969	A discussion of Sudbury geology and sulphide deposits	Econ. Geol. Vol.70	pp. 164-175
Wilson, W. J.	1906	The region between Lake Timagami and Spanish River, Ontario	MP30	
Wright, J. F.	1958	Sudbury, Ontario	G.S.C. Sum. Rept.	
Young, G. A.	1907	On surveys between Rabbit and Temagami Lakes	Map 1063A	1" = 8 miles
			G.S.C. Ann. Rept. Vol. 16	pp. 195-198

NOTES AND ADDENDA

Capreol Township

Air Photos

Scale 1" = ¼ mile

Year	Roll	Line	Number
1973	26	4629	136-142
	29	4628	6-12
	29	4627	59-64
	27	4626	8-13
1946	35	146	68-75
	31	147	71-77
	30	148	17-A-23
	30	149	33-39

GDIF FORM NO.10

NORMAN

HANMER

MACLENNAN

Ministry of Northern Development and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 367

(Map 1 of 2)

CAPREOL TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

EXPLORATION DATA FILE AREAS

(Map 1 of 2)

CAPREOL TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

HANMER

MACLENNAN

GARSON

Onwatin Lake

Suez

Moose Lake

Massey Lake

Capre Lake

Blue Lake

Hagarty L.

Hagarty

Hanmer

NATIONAL

69

545

80°56'00"

46°37'30"

EXPLORATION DATA FILE AREAS

■ Reference number is always inside work area outlined. See listing in text pages.

□ Small area exploration.

EXPLORATION DATA FILE AREAS

TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- ☐ Geochemical sample site, with reference number
- ☐ Area of geochemical sampling, with reference number
- ☐ Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

- ☐ AM — Airborne magnetic anomaly
- ☐ Airborne electromagnetic anomaly Length of anomaly along flight line
- ☐ Airborne electromagnetic anomaly Location of anomaly along flight line
- ☐ Airborne electromagnetic anomaly Conductor axis: definite, probable, possible
- ☐ ARA — Airborne radiometric anomaly
- ☐ M — Ground magnetic anomaly
- ☐ VL — Ground electromagnetic anomaly (VL - Vertical loop; HL - Horizontal loop; VLF - Very low freq; Turam; JEM - Crone Em - 16)
- ☐ RA — Ground radiometric anomaly
- ☐ IP — Induced polarization anomaly
- ☐ SP — Self potential anomaly
- ☐ AFMAG — Audio-frequency magnetic anomaly (total intensity)
- ☐ R — Resistivity anomaly
- ☐ GR — Gravity anomaly

MISCELLANEOUS DATA

- ☐ Trenching, pit
- ☐ Rock quarry
- ☐ Adit
- ☐ Sand and/or gravel pit

NORMAN

HANMER

Marshy L.

Capreol

Onwatin Lake

Suez

Hanmer

Moose Lake

Capreol Lake

Amy L.

Frost L.

Massey Lake

Blue Lake

Hagarty L.

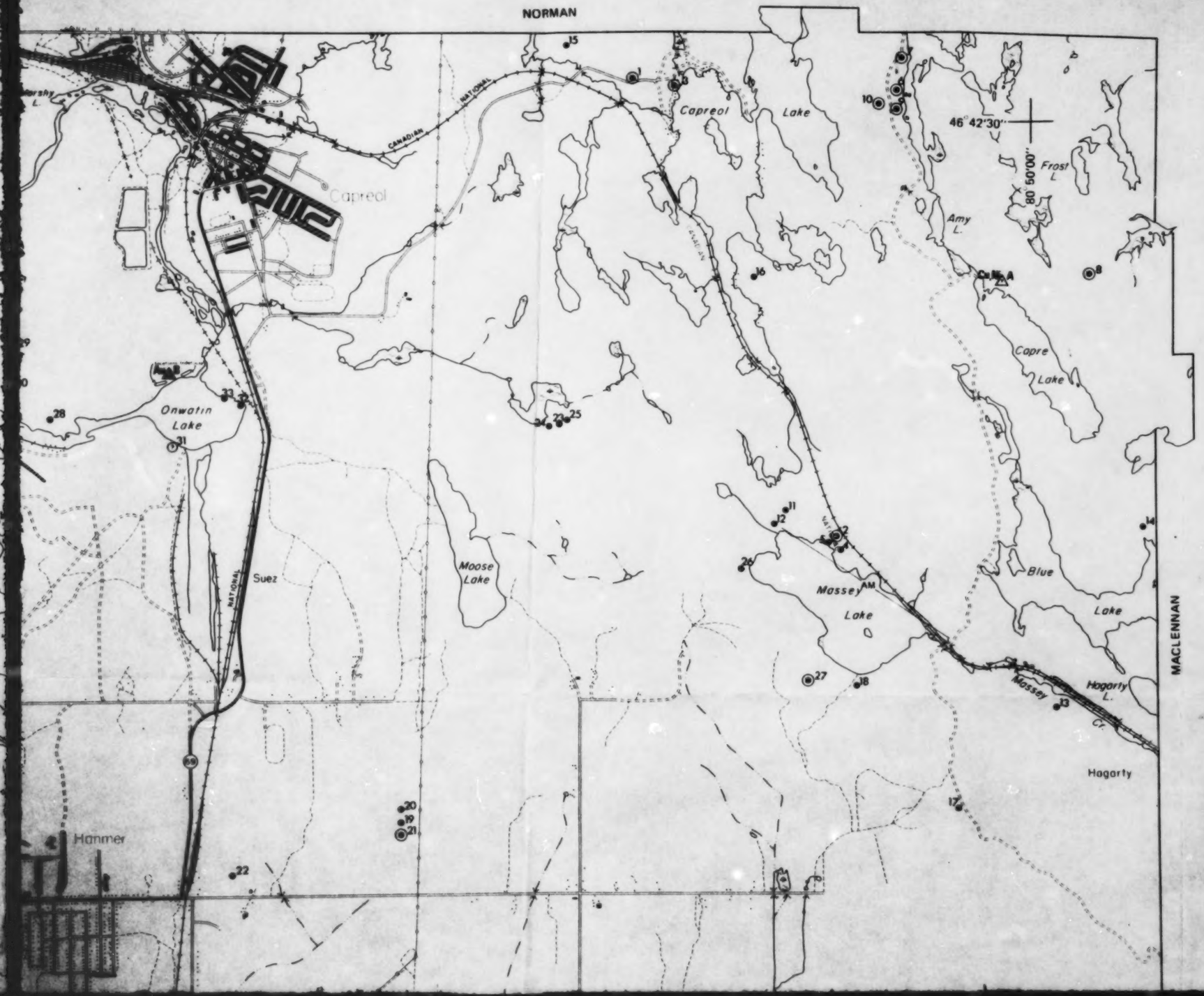
Hagarty

Capre Lake

CANADIAN NATIONAL

46° 42'30"

80° 50'00"



Ministry of Northern Development and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 367

(Map 2 of 2)

CAPREOL TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- Mineral occurrence at surface, with reference letter
- Mineral occurrence with shaft, depth given with reference letter
- Mineral occurrence reported but exact location uncertain, with reference letter
- Mineralized float with reference letter

Airborne electromagnetic anomaly
Length of anomaly along flight line

Airborne electromagnetic anomaly
Location of anomaly along flight line

Airborne electromagnetic anomaly
Conductor axis: definite, probable, possible

ARA — Airborne radiometric anomaly

M — Ground magnetic anomaly

VL — Ground electromagnetic anomaly
(VL - Vertical loop; HL - Horizontal loop;
VLF - Very low freq; Turam; JEM -
Crone Em - 16)

RA — Ground radiometric anomaly

IP — Induced polarization anomaly

SP — Self potential anomaly

AFMAG — Audio-frequency magnetic anomaly
(total intensity)

R — Resistivity anomaly

GR — Gravity anomaly

MISCELLANEOUS DATA

Trenching, pit

Adit

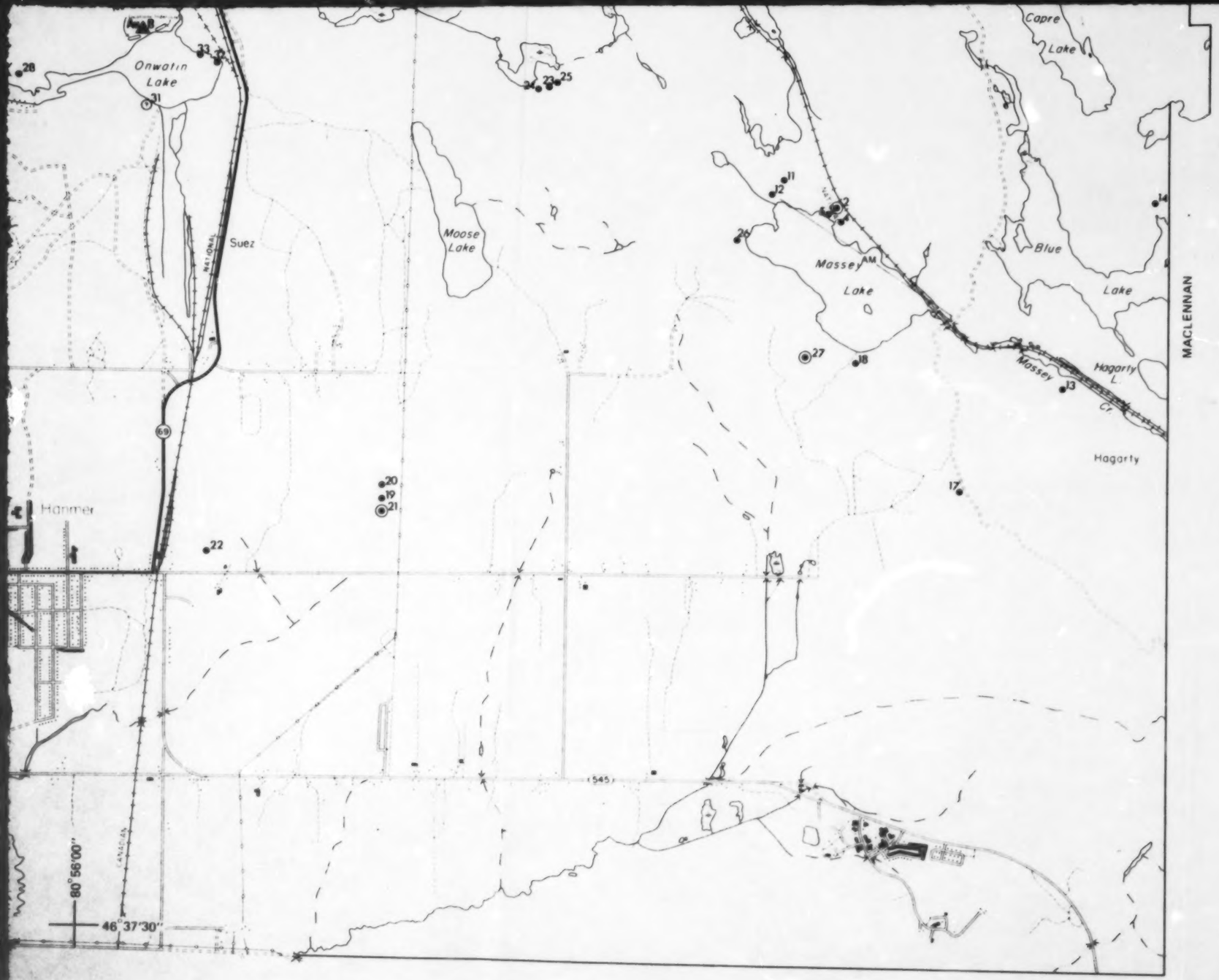
Open pit

Rock quarry

Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.

GARSON



DISTRICT OF SUDBURY

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- Mineral occurrence at surface, with reference letter
- Mineral occurrence with shaft, depth given with reference letter
- Mineral occurrence reported but exact location uncertain, with reference letter
- Mineralized float with reference letter

DRILLHOLE

- Location of single drillhole, with reference number
- Location of closely spaced group of drillholes, with reference number
- Drillhole, exact location uncertain, with reference number
- Property with underground drillholes in this general area, with reference number
- Property with drillholes which have not been plotted on map, with reference number
- Reverse circulation drillhole; churn drilling, with reference number